Domestic & daily activities

- Sleeping
- Dressing
- Being with the nuclear family
- Communal meal
- Communal eating
- Private storage
- Personal care & bathroom
- Communal bathroom
- Gardening
- Entertaining guests
- Relaxing
- Communal storage
- Cleaning
- Doing laundry
- Communal storage
- Sleeping
- Dressing
- Communal toilet
- Personal care & bathroom
- Communal bathroom

Boundary elements

- River view
- Atrium
- The window on street level
- The half-open wall
- Columns
- The podium
- The door
- Windows overlooking collective life
- The wall opening
- Arched
- Ceiling variety
- Curtains
- Window slit
- The eye-height wall
- Panel
- Ceiling in open space
- The interior window
- Physical openings to the street
- The full wall

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Thus, the residential building needs to have a multiplicity of spaces that are clearly demarcated by physical and architectural boundaries and range from the most intimately private domain to the most communally collective domain.

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public-collective

roof terrace

patios & common heart

boundaries & activities

square

Exploded view design

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Main entrance - facade north

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Additional parking areas
Informal rear square - public-collective: transition between neighborhood and building
Informal enclosed square - public
Connecting collective space of both buildings
Clear ending and demarcation of axis Sav. Lohmanlaan at Bergselaan.
Monumental street axis Sav. Lohmanlaan

Current situation

New situation
HVAC system shielded by a frame covered with facade elements 22x120mm, enough spacing between facade elements for fresh air extraction.

air-inlet

air-extraction

patio

HVAC-unit with heat recovery

sauna & swimming pool

partial air-extraction via group kitchens, see climate concept C

extra ventilation + separate air-extraction to limit noise

community kitchen & dining

theatre/multipurpose room

workshop

art & crafts

workshop

machines

floor heating & cooling

heat pump with heat recovery

floor heating & cooling + additional radiator for quick heating

glass with sunreflective coating, solar factor 0.3

floor heating & cooling

extraction unit (with heat recovery) of group kitchens integrated with ventilation system of building

Section interior

Climate concept A

Climate concept B

Climate concept C
spaces & places

openings & lines of sight

common heart

floor height difference

shelves & window sills

patios

alcoves & openings

relaxing

alcoves & openings

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